

95/10



B.A.R.G. NEWS



OCTOBER 1995 VOL 18 NO 9.

NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.

GET ON TARGET

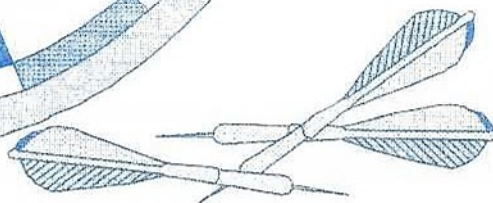
DART INTO THE
SHOWGROUNDS
29TH.OCTOBER



HAMVENTION '95



The
SPOT
with
the
LOT





BALLARAT AMATEUR RADIO GROUP INC.

OFFICE BEARERS - 1995 / 1996

			WORK	HOME
PRESIDENT	GORDON CORNELL	VK3FGC	391135	392427
VICE PRESIDENT	DOUG RAPER	VK3VBA	015-368922	323565
IMM.PAST PRESIDENT	BOB TERRILL	VK3BNC		395317
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MEMBERSHIP SECRETARY	NORM D'ANGRI	VK3LBA		341613
NEWSLETTER EDITOR	NORM D'ANGRI	VK3LBA		341613
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EXAMINATIONS OFFICER	CHARLIE STEWART	VK3DCS		317425
TECH. OFFICER	DICK ANTOSIEWICZ	VK3AEX		323273
TECH. OFFICER (DIGITAL)	TOM GEORGE	VK3DMK	327234	
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MEMBERS' REP.	REG CARTER	VK3CAZ		417585
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NET CO-ORDINATOR	CLIFF BILSTON	VK3CCB		361249
AWARDS MANAGER	RON WATKINS	VK3ZHH	667200	327141
LIBRARIAN / HISTORIAN	RICHARD VOSS	VK3JFL		326048
PUBLICITY OFFICER	DOUG RAPER	VK3VBA	015-368922	323565
PROPERTY OFFICER	JEFF PIGDON	VK3PAP	311211	327041
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	TOM GEORGE	VK3DMK	327234	
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	IAN McDONALD	VK3AXH		
	DICK FORRESTER	VK3VU	337080	357663
	DAVID McCONNELL	VK3YNB		
	BEN ORCHARD	VK3TOP		203601
	RICHARD VOSS	VK3JFL		326048
	IAN ROBINSON	VK3FD	278175	358031
HAMVENTION CO-ORD.	TOM GEORGE	VK3DMK	327234	
	CLIFF BILSTON	VK3CCB		361249

LIFE MEMBERS:	MAURIE BATT (VK3XEX) SK	IAN McDONALD (VK3AXH)
	GEORGE SMALL (VK3DKJ) SK	JIM WRIGHT (VK3CFB)
	KEVIN HUGHES (VK3WN)	PHIL SEDDON (VK3AQM)
	STAN WIDGERY (VK3SE)	

CLUB STATION

VK3 BML

REPEATERS

VK3RBA (Voice)	146.750 MHz. - Mt.Buninyong.
VK3RBS (Voice)	146.900 MHz. - Smeaton Hill
VK3RPC (Packet)	144.750 MHz. - Mt. Warrenheip.
VK3RBU (Voice)	438.475 MHz. - Mt.Hollowback.
VK3RMB (Beacon)	432.535 MHz. - Mt.Buninyong.
VK3RBV (ATV)	426.250 MHz. - Ballarat

ACTIVITIES

CLUB NET: Thursday nights at 8 pm. (8.30 pm during Daylight Saving). Freq: 3.610 MHz +/- QRM.
 2 METRE SCRAMBLE: Sunday Nights at 7.50 pm. Freq: 146.425 to 146.600 MHz. Inc,
 Call back held on VK3RBA 146.750 MHz.

Logs monthly to D.Quirk - P.O. Box 78 - Newstead 3462 (or Meeting) to qualify.

MEETINGS: General Meeting : Last Friday of each month (except December) at 7.30 pm.

Natter Night : 2nd Friday of each month.

Venue: Ballarat Adult & Further Education Centre (BRACE) 602 Urquhart St. (Cnr. Windemere St.)

FOX HUNTING: As arranged during the year.

PLEASE ADDRESS ALL CORRESPONDENCE to:

The Secretary - BARG Inc.
 Box 1261
 Mail Centre
 Ballarat 3354

DISCLAIMER

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The Minutes

MINUTES OF BARG MEETING HELD 29th. Sep.1995



The meeting opened at 7.40pm. by President Gordon VK3FGC. welcoming 35 members & guests.
APOLOGIES were accepted on behalf of the following VK's : SE, ANH, AEX, CFH, FMC, LDC,

DS, NIZ, YMW, KGL, TDG,

(HWK/DMK)

MINUTES of the Previous meeting were confirmed as circulated.

(XDQ/BNC)

TREASURERS REPORT: Report was given by VK3BNC in absentia of VK3KGL

(BNC/LBA)

CORRESPONDENCE:

Inwards - Newsletters from Illawarra R.C., Capricornia R.C., Western & Northern R.C.,

Amateur Radio Magazine..

From SMA re "interference" tabled.

Lengthy discussion of problem followed - with clarification from Ian VK3AXH.

RAAF 'hams' to be advised of local reunion.

REPORTS: Education Officer: 20% pass rate at the last exam.

Net Co-Ordinator Cliff VK3CCB - Positive comments from Cliff re the Net, and preparations for JOTA on 21/22 Oct.

WICEN - Portable repeater exempt from fees.

Training exercise Wed.25th.Oct - SES Gillies St.

Tech.Committee: 9600 Baud link installed at Mt. St. Leonards. (Packet)

Publicity: Doug VK3BA - Ads for Hamvention in Ballarat News - \$100 - with editorial. Hamvention Signs on the way.

Membership: Norm VK3LBA - 46 paid up members so far.

Hamvention: Tom VK3DMK reported on progress. List of tasks discussed. Confirm your role with Tom.

GENERAL BUSINESS: Investigation of New Club Rooms continues.

Practical sessions on Monday Nights very successful.

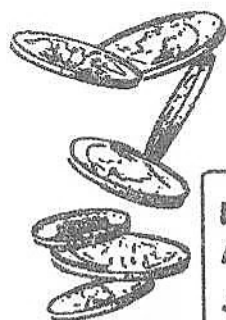
Meeting Closed at 8.50pm.

NEXT MEETING: Friday 27th.October.

Finally: If ignorance is bliss, why aren't there more happy people ?

Have a great month - 73 de Geoff VK3ADB.

rrrr



B.A.R.G. FEES
ARE DUE AND PAYABLE BY OCTOBER 31ST.

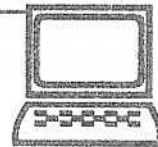
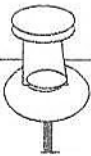
WHY MISS OUT ON THE
NEXT B.A.R.G. NEWS ?
SEE NORM VK3LBA AND
RENEW YOUR SUBS

FULL MEMBER - \$25.00

STUDENT - \$20.00



NOTICE BOARD

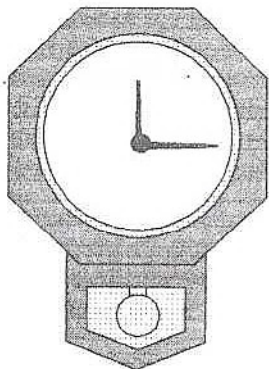


NEW TELEPHONE BBS

Ken-VK3IBM advises that he now operates a telephone BBS
He currently has in excess of 10,000 files which cover a wide range
of very interesting topics.

The BBS can be accessed (After 4 PM each Day) on
682193

Why not give it a try ?



DON'T TIME OUT

PUT YOUR CLOCK AHEAD ONE HOUR
SUNDAY MORNING
29TH. OCTOBER.



Or You'll be late for the Hamvention.

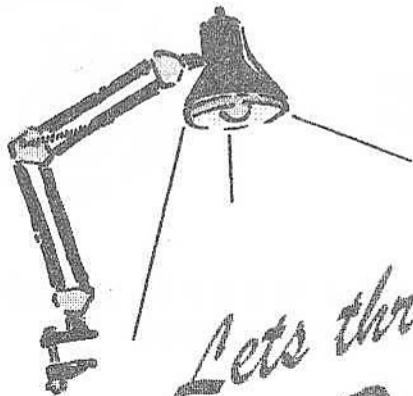
HAMVENTERTAINMENT

N	Y	W	V	Z	V	L	S	D	L	K	Z	F	I	Q	Y	A	Q
P	M	S	B	A	S	Q	S	H	I	S	T	O	R	Y	Q	M	N
E	X	B	H	S	C	P	E	T	B	V	C	G	Z	F	X	N	H
B	A	X	N	N	G	L	N	L	N	T	N	Y	P	N	V	W	U
J	Q	K	A	O	U	O	B	D	C	U	E	P	S	B	X	T	Q
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L	Z	S	M	R	M	E	R	I	R	S	L	F	U	N	S	O	R
O	S	K	R	E	E	O	C	G	A	R	F	F	M	Z	K	L	J
W	D	N	X	E	B	H	Q	U	E	Y	M	E	F	L	O	O	W
S	N	I	C	J	E	R	S	G	K	R	V	E	Y	Z	O	G	C
H	E	R	X	S	X	A	E	P	M	R	S	X	B	R	B	Y	R
I	I	D	H	W	G	A	S	W	S	Y	A	L	P	S	I	D	N
P	R	B	Q	E	R	I	S	T	I	U	C	R	I	C	V	W	N
A	F	C	S	A	N	T	S	M	E	M	O	R	I	E	S	P	T
E	V	W	T	N	E	M	Y	O	J	N	E	Q	K	H	S	L	W

COFFEE
DISPLAYS
SAUSAGES
FOXHUNTS
FRIENDS
HOMEBREW
BOOKS
BURGERS
SANDWICHES
DRINKS

REUNIONS
NATTER
GEAR
MONEY
FELLOWSHIP
HISTORY
CIRCUITS
TECHNOLOGY
MEMORIES
ENJOYMENT

95/10



*Lets throw some more light
on Pager Interference.*

DAVID VK3YNB hands out some timely hints.

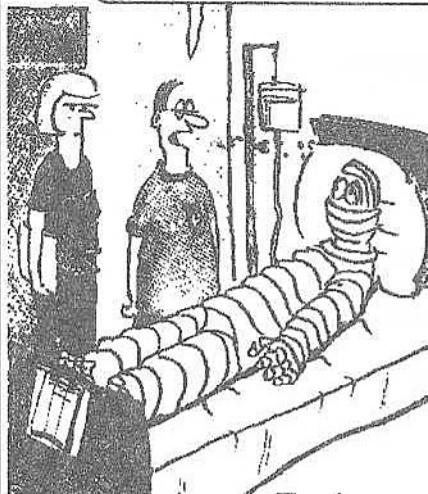
Pages and pages have been written about Pagers and interference problems being experienced on the two metre band. Here are my observations:

- 1 It is crucial that your receiver is correctly aligned - check out and re-align if necessary.
- 2 Problem is accentuated by hi-gain antennas. Reduce height, lower gain or use a beam.
- 3 If you use a Yagi check the resonance. Most designs for Yagi antennas have a 1% error in the design length of the director and do not peak at the calculated frequency. Cut element length for correct resonance.
- 4 Pager transmissions will re-radiate from old masthead amplifiers, antennas and towers etc. Search and destroy if not currently in use.
- 5 Don't expect good results if the front end of your receiver is broadband, as a lot are.
- 6 Circuits for band pass filters are available in the RSGB Handbook and may be experimented with at the construction nights.

GOOD LUCK - David VK3YNB.

(Refer also to the quite lengthy article on this subject by Will McGhie VK6UU, in the October Amateur.Radio magazine - Pages.45-46 and 47. - Ed.)

**THIS ONE PLUGGED
HIMSELF INTO
PACKET**



CONGRATULATIONS TO VK3BML

"Well Done" Cliff VK3CCB and the members
who manned Club Station VK3BML
in the
1995 NOVICE CONTEST
earning a 'SPECIAL AWARD'

HELP WANTED

BALLARAT SHOWGROUNDS

WOOL PAVILION

FRIDAY OCT. 27TH.(am)

TO

CLEAN UP VENUE FOR HAMVENTION

Equipment Sale



The following equipment is being offered for sale to members of B.A.R.G. on behalf of Mrs. Marj. Batt. The equipment is in good condition but is sold without any warranty.

YAESU FT 625 All Mode 6 Metre Transceiver
 YAESU FT 680R All Mode Transceiver
 MIRAGE Linear Amplifier - Model B108 - 2 Metre.
 TOKYO HY POWER 50 MHz. Linear Amplifier - HL86
 HOME BREW 20 Amp. Power Supply
 ICOM Speaker - SP3
 KENWOOD Speaker - SP180
 NALLY Wind up - Tilt Over - Tower.

Should you wish to purchase any of these items please contact Kevin Hughes VK3WN - QTH R or ☎ 053-355011 (Evenings).

Items not sold prior, will be available at the Ballarat Hamvention - Sunday 29th. October in the Wool Pavilion - Ballarat Showgrounds.



MEET THEM HALFWAY

Next time you are in contact with a Russian station and are having difficulty in copying him because of his broken - but valiant - attempt at speaking English, why not go halfway and reply to him in Russian ? Here are a few essential phrases to begin with:

Good Morning	DOBROE UTRO
Good Afternoon	DOBRYJ DENX
Good Evening	DOBRYJ WEOEER
My name is	MENAA ZOWUT
My city is...	AA VIWU W GORODE
My QTH is near	MOE MESTO BLIZKO DO GORODA...
My report please	POVALUJSTA MOE RST
Please repeat my report	POWTORITE POVALUJSTA MOE RST
All received	WSE PONAATNO
Back to you (AR)	AA NA PRIEM
I didnt understand	NE PONAAL POWTORITE
Please in English if possible	PO ANGLIJSKI ESLI WOZMOVNO
We have already worked before	AA UVE POGOWORIL S WAMI
Hope to work you again	OOEENX PRIAATNO SLYOTATX WAS OPAATX
Please QSL	PROOTU WAS POSLATX
Via Bureau	KARTOOEKU OEEREZ BEWRO
I will QSL	POOTLEW QSL KARTOOTKU
Good DX	HOROOTEGO DX
Best Wishes	WSEGO HOROOTEGO
Thanks for the QSO	SPASIBO ZA RAZGOWOR

That's not so difficult is it ? (Phrases from ZL2BS (@ ZL2UFW.)



1895 - 1995

100 Years of Radio

The Marquis Guglielmo Marconi (1874-1937) an Italian Inventor and Electrical Engineer won recognition for his work in developing *wireless telegraphy* or radio. His efforts led to present day radio broadcasting.

He produced the first practical wireless telegraph system in 1895 from basic discoveries that had previously been made by James Clerk Maxwell, Heinrich Hertz, Édouard Branly and Michael Faraday.

He was responsible for producing the first trans-Atlantic wireless signal in Dec. 12th. 1901 and patented the horizontal directional aerial in 1905.

He shared the 1909 Nobel prize in Physics with Ferdinand Braun for their development of wireless telegraphy. Braun, working independently of Marconi, developed a cathode ray tube. Marconi invented the beam system of wireless for long distance communication.

Marconi was born on April 25th. 1874 in Bologna Italy. His father was a wealthy Italian and his mother was Irish. He grew up as a delicate and studious child. He read widely, in the excellent scientific library in the Marconi home, and became interested in the study of magnetic waves. He was educated by tutors and later studied at the University of Bologna.

In 1894 Marconi set up apparatus at his father's estate, with which he sent and received signals by electrical waves over a longer distance than had ever been accomplished previously.

The Italian Government however took little interest in these early stages of his experimentation, so he decided to journey to England 1896 to seek capital to set up a wireless telegraph company.

He applied for, and received from the British Government the first wireless patent, the famous No. 7777 which was based on the theory that the distance of communication increases rapidly as the height of the aerial is increased. Marconi formed the first wireless company in 1897.

The new company installed wireless sets in lighthouses along the English coastline. Marconi sent the first wireless telegraph message across the English Channel, a distance of 85 miles, during March 1899.

The value of the wireless for emergencies at sea was shown on April 28th. 1899. Heavy seas had pounded the Goodwin Sands lightship off the English coast and parts of the deckhouses had been swept away. The vessel communicated with a nearby station by wireless, and help arrived at the ship in time to prevent loss of life.

In 1901 Marconi decided to attempt a trans Atlantic transmission, and he built a sending station at Poldhu, Cornwall England. He then sailed to Newfoundland and set up receiving equipment at St. Johns. The first signal sent, the letter "S" came through as scheduled, although very faint, on December 12th. 1901.

The next year Marconi showed that wireless signals can be received over greater distances at night than in the daytime. While aboard the steamship *Philadelphia* bound for the United States, Marconi received signals sent from a distance of 2099 miles.

Marconi lost his right eye in an automobile accident in 1912, but he continued to work. He volunteered for active service when Italy entered World War 1, and he became Commander of the Italian Wireless Service. He began experimenting with very short waves while he was in this capacity.

Marconi's work brought him honours from governments throughout the world. The Italian Government made him a Senator of the Kingdom of Italy for life in 1909. He received the hereditary title of *Marchese* in 1929. He died in 1937.

Ω

IN MEMORY of Marconi, and to commemorate this 100th. year of Radio, the Italian Amateur Radio Association has set up two Beacon Transmitters to continually transmit the waves he discovered. IIM -Radio Centenary - 21.151MHz
IIM -Radio Centenary - 144.925MHz

NOTICE TO ALL VISITORS

YOU ARE ABOUT TO VIEW AN AMATEUR RADIO STATION LICENSED AS VK _____ BY THE SPECTRUM MANAGEMENT AUTHORITY IN CANBERRA. BEFORE YOU ASK THE QUESTIONS HERE ARE THE ANSWERS :

- 1 The total cost of equipment is not to be discussed here - it creates untold and ongoing and ongoing and ongoing marital problems.
- 2 No, we cannot send a message to your brother in Hong Kong. We suggest you call Telecom or Optus.
- 3 This is strictly a hobby - we do not have the facilities or the time to fool around with TV sets, radios or Hi-Fi sets. We suggest you find a serviceman.
- 4 Yes. The antenna in the backyard is essential to the operation of the equipment.
- 5 The farthest station I've contacted has been in Ubangiland but he didn't QSL.
- 6 The cards on the wall are called QSL cards. They are confirmation that we really did contact all of those stations.
- 7 It is technically impossible for this station's equipment to interfere with television reception, telephones or stereo systems. Any interference problems of that nature are caused by design flaws in the home-entertainment devices themselves.
- 8 An Amateur Radio Station may only be operated by a highly qualified, technically skilled electronics expert. It takes dedication, training and intelligence to reach the level of competence that justifies one to be licensed by the Australian Federal Government. Therefore, it is not considered inappropriate to show proper awe, and general obsequiousness (gross regard) when I discuss my hobby or operate the controls.



FURTHERMORE

IF YOU ARE GRANTED THE EXTREME HONOUR OF BEING INVITED TO SPEAK INTO THE MICROPHONE, YOU ARE ASKED TO OBSERVE THE FOLLOWING RULES:

- 1 Speak in a low and soothing tone - don't shout.
- 2 Never - Never - Ever disagree with me in any manner on any thing.
- 3 Say no bad words or tell 'off colour' (smutty) jokes.
- 4 It is customary for guests to make complimentary remarks about this station and it's licensed operator when talking to my fellow 'hams' on the air.



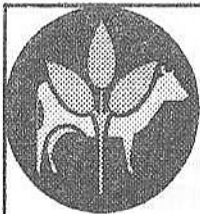
ABOVE ALL

DO NOT TOUCH ANYTHING - TURN KNOBS - OR SIT ON EQUIPMENT.
I HAVE LOST SEVERAL OF MY VISITORS BY ELECTROCUTION
DURING THE PAST FEW WEEKS - BUT PLEASE ENJOY YOURSELF.
THANK YOU.

(Pinched - with thanks - from Hervey Bay R.C. Mag.)

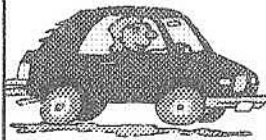


95/10



HEWITT & WHITTY

CORNER CARNGHAM RD. AND WILTSHIRE LANE



Running on GAS?

Check out the NEW Castrol GAS ENGINE OIL SAE 15W-40SG API rated and designed to ensure maximum engine life and minimum oil consumption for LPG fueled engines.

\$22.00 for 6 litres. (Inc. Tax)

If Diesel's your scene then the great CASTROL RX SUPER SAE 15W-40 has been developed for your vehicle and is equally successful and beneficial in cars using leaded and unleaded petrol \$65.65 for 20 litres (Inc. Tax)

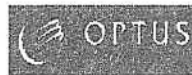
We've also got **ROUNDUP HERBICIDE** at a good price.
73 de Bill VK3PH



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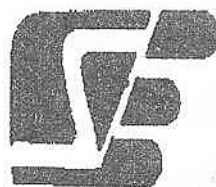
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Tee Shirt Prints

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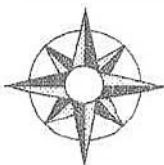
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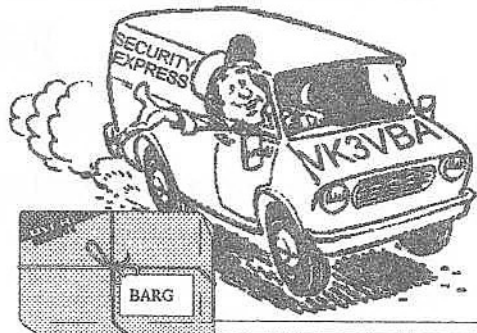
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ENQUIRIES
CALLFREE
GEELONG 1800 645252

9 - 11 RODNEY RD.
NORTH GEELONG
FAX 78 5148

OR CONTACT
BALLARAT AGENT
IAN LEISHMAN
018 503682
or
DOUG RAPER VK3VBA
015-368922

95/10 10

COMING EVENTS AND INFORMATION

Friday 27th. October - BARG General Meeting.
Friday 27th. October - AM - Help Wanted Hamvention Site.
Saturday 28th. October - BARG Hamvention - Foxhunting (Day 1)
Saturday 28th. October - Hamvention Dinner - Western Hotel
Sunday 29th. October - Hamvention - Displays - Trading.
Friday 10th. November - Natter Night
Wednesday 15th. November - Committee Meeting.
Wednesday 22nd. November - WICEN Training Night



Monday Nights - Practical Nights.
2M Scramble - Sunday Nights 7.50pm 146.425 to 146.600 Mhz.
Club Net - Thursday Nights 8pm. 3.610 +/- QRM
WICEN Training Nights - 4th. Wednesday each month.

BALLARAT AMATEUR RADIO GROUP INC.

HAMVENTION '95

BALLARAT SHOWGROUNDS.....WOOL
PAVILION

Competitive Events 28th. & 29th. October
Equipment Displays & Sales 29th. October

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OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.

B.A.R.G. NEWS



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